

Litigation involving patent 5,759,080

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket   Case Heading   Date Filed   Date Retrvd 

There are no cases involving this patent number.

WELCOME to QUESTEL.ORBIT- Your Guide to INTELLECTUAL PROPERTY

Query/Command : file pluspat

Selected file: PLUSPAT

Search statement 1

Query/Command : us5759080/pn

** SS 4: Results 1

Search statement 5

Query/Command : prt fu legalall max

1 / 1 PLUSPAT - @QUESTEL-ORBIT - image
PN - US5759080 A 19980602 [US5759080]
TI - (A) Display device with electron-emitting device with
electron-emitting region insulated from electrodes
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO
(JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI
HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
AP - US47900095 19950607 [1995US-0479000]
FD - Divsn of US396066 19950228 [1995US-0396066] (Abandoned)
Cont. of US191065 19940203 [1994US-0191065] (Abandoned)
Cont. of US705720 19910524 [1991US-0705720] (Abandoned)
C.I.P. of US218203 19880713 [1988US-0218203]
Continuation-in-part of: US5066883 - 19911119
PR - US47900095 19950607 [1995US-0479000]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
US39606695 19950228 [1995US-0396066]
US19106594 19940203 [1994US-0191065]
US70572091 19910524 [1991US-0705720]
US21820388 19880713 [1988US-0218203]
IC - (A) H01J-001/30 H01J-009/02
EC - H01J-009/02B4
PCL - ORIGINAL (O) : 445051000; CROSS-REFERENCE (X) : 445024000
DT - Basic
CT - US3278789; US3663857; US3735186; US4093562; US4325084; US4370797;
US5066883; US5470265; EP0073031; DE1800952; DE1764994; DE2542349;
DE2012101; DE2413942; JP44-27852; JP44-26125; JP44-27853;
JP44-28009; JP44-32247; JP45-31615; JP46-20943; JP46-20944;
JP46-20949; JP46-24456; JP46-38060; JP54-1147; JP56-18336;
JP56-71239; JP2-247939; JP4-65050; JP6-231678; SU855782;
GB1267029; GB1335979; GB2060991
M. Hartwell et al., "Strong Electron Emission From patterned

Tin-indium Oxide Thin Films" Cambridge MA, pp. 519-521, IEEE Transl. GD Conf., 1975.

M. Elinson et al., "The Emission of Hot Electrons And The Field Emissions Of Electrons From Tin Oxide", Radio Engineering and Electron Physics, Jul. 1965, pp. 1291-1296.

STG - (A) United States patent

AB - A display device includes an electron-emitting device which is a laminate of an insulating layer and a pair of opposing electrodes formed on a planar substrate. A portion of the insulating layer is between the electrodes and contains fine particles of an electron emitting substance, that portion acting as an electron emitting region. Electrons are emitted from the electron emission region by applying a voltage to the electrodes, thereby stimulating a phosphorous to emit light.

1 / 1 LGST - ©EPO

PN - US5759080 A 19980602 [US5759080]

AP - US47900095 19950607 [1995US-0479000]

ACT - 20000208 US/CC-A
CERTIFICATE OF CORRECTION

20001003 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20000602

UP - 2003-22

1 / 1 CRXX - ©CLAIMS/RRX

AN - 2987296

PN - 5,759,080 A 19980602 [US5759080]

PA - Canon K K JP

PT - M (Mechanical)

ACT - 20000602 REISSUE REQUESTED

Issue Date of O.G.: 20001003

Reissue Request Number: 09/587249

Examination Group responsible for Reissue process: 1722

UP - 2000-06

UACT- 2000-10-03

Search statement 5

Query/Command : fam us5759080/pn

1 Patent Groups
** SS 5: Results 15

Search statement 6

Query/Command : famstate nonstop

1 / 15 PLUSPAT - @QUESTEL-ORBIT

PN - DE3853744 D1 19950614 [DE3853744]
STG - (D1) Granted EP number in bulletin
OTI - (D1) Elektronenemittierende Vorrichtung.
PA - (D1) CANON KK (JP)
IN - (D1) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); SUZUKI
 HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP); KANEKO TETSUYA (JP);
 BANNO YOSHIKAZU (JP); YOKONO KOJIRO (JP)
IC - (D1) H01J-001/30 H01J-009/02
PN2 - DE3853744 T2 19960125 [DE3853744]
STG2 - (T2) Trans. Of EP patent
OTI2 - (T2) Elektronenemittierende Vorrichtung.
PA2 - (T2) CANON KK (JP)
IN2 - (T2) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); SUZUKI
 HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP); KANEKO TETSUYA (JP);
 BANNO YOSHIKAZU (JP); YOKONO KOJIRO (JP)
IC2 - (T2) H01J-001/30 H01J-009/02
AP - DE3853744 19880713 [1988DE-3853744]
PR - JP10248588 19880427 [1988JP-0102485]
 JP10248688 19880427 [1988JP-0102486]
 JP10248788 19880427 [1988JP-0102487]
 JP10248888 19880427 [1988JP-0102488]
 JP15451688 19880621 [1988JP-0154516]
 JP17483787 19870715 [1987JP-0174837]
 JP25044887 19871002 [1987JP-0250448]
 JP25506387 19871009 [1987JP-0255063]
 JP25506887 19871009 [1987JP-0255068]

1 / 2 LEGALI - @EPO

PN - DE3853744 D1 19950614 [DE3853744]DE3853744 T2 19960125 [DE3853744]
AP - DE3853744 19880713 [1988DE-3853744]
ACTE- 19960605 DE/8364-A [+]

NO OPPOSITION DURING TERM OF OPPOSITION

 19990506 DE/8328-A

CHANGE IN THE PERSON/NAME/ADDRESS OF THE AGENT

WESER & KOLLEGEN, 81245 MUENCHEN

UP - 2003-22

2 / 2 LEGALI - @EPO

PN - EP0299461 A2 19890118 [EP-299461]EP0299461 A3 19900110
 [EP-299461]EP0299461 B1 19950510 [EP-299461]
AP - EP88111232 19880713 [1988EP-0111232]
ACTE- 19890118 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

DE FR GB NL

 19900110 EP/AK-A [+]

DESIGNATED CONTRACTING STATES:

DE FR GB NL

 19900905 EP/17P-A [+]

REQUEST FOR EXAMINATION FILED

EFFECTIVE DATE: 19900709

 19920930 EP/17Q-A [+]

FIRST EXAMINATION REPORT

EFFECTIVE DATE: 19920818

19950510 EP/AK-A [+]
DESIGNATED CONTRACTING STATES:
DE FR GB NL

19950614 EP/REF-A
CORRESPONDS TO:
(DE 3853744 19950614 [DE3853744])

19950811 EP/ET-A [+]
FR: TRANSLATION FILED

19960501 EP/26N-A [+]
NO OPPOSITION FILED

20020101 EP/REG-A; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>

UP - 2003-22

2 / 15 PLUSPAT - @QUESTEL-ORBIT - image
PN - EP0299461 A2 19890118 [EP-299461]
STG - (A2) Pub. Of applic. Without search report
TI - (A2) Electron-emitting device.
OTI - (A2) Elektronenemittierende Vorrichtung.
(A2) Dispositif émetteur d'électrons.
PA - (A2) CANON KK (JP)
IN - (A2) YOSHIOKA SEISHIRO; NOMURA ICHIRO; YOKONO KOJIRO; BANNO
YOSHIKAZU; KANEKO TETSUYA; SUZUKI HIDETOSHI; TAKEDA TOSHIHIKO
IC - (A2) H01J-001/30 H01J-009/02
PN2 - EP0299461 A3 19900110 [EP-299461]
STG2 - (A3) Publi. Of search report
TI2 - (A3) ELECTRON-EMITTING DEVICE
PN3 - EP0299461 B1 19950510 [EP-299461]
STG3 - (B1) Patent
TI3 - (B1) Electron-emitting device.
OTI3 - (B1) Elektronenemittierende Vorrichtung.
(B1) Dispositif émetteur d'électrons.
PA3 - (B1) CANON KK (JP)
IN3 - (B1) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO
(JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI
HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC3 - (B1) H01J-001/30 H01J-009/02
LA - ENGLISH (ENG)
AP - EP88111232 19880713 [1988EP-0111232]
PR - JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
EC - H01J-001/316
H01J-009/02B4
DS - DE FR GB NL
DT - Basic

1 / 1 LEGALI - ©EPO
 PN - EP0299461 A2 19890118 [EP-299461]EP0299461 A3 19900110
 [EP-299461]EP0299461 B1 19950510 [EP-299461]
 AP - EP88111232 19880713 [1988EP-0111232]
 ACTE- 19890118 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB NL

 19900110 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB NL

 19900905 EP/17P-A [+]
 REQUEST FOR EXAMINATION FILED
 EFFECTIVE DATE: 19900709

 19920930 EP/17Q-A [+]
 FIRST EXAMINATION REPORT
 EFFECTIVE DATE: 19920818

 19950510 EP/AK-A [+]
 DESIGNATED CONTRACTING STATES:
 DE FR GB NL

 19950614 EP/REF-A
 CORRESPONDS TO:
 (DE 3853744 19950614 [DE3853744])

 19950811 EP/ET-A [+]
 FR: TRANSLATION FILED

 19960501 EP/26N-A [+]
 NO OPPOSITION FILED

 20020101 EP/REG-A; GB/IF02 [+]
 GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
 <GB>
 UP - 2003-22

3 / 15 PLUSPAT - ©QUESTEL-ORBIT - image
 PN - JP1200532 A 19890811 [JP01200532]
 STG - (A) Doc. Laid open to publ. Inspec.
 TI - (A) ELECTRON EMISSION ELEMENT AND MANUFACTURE THEREOF
 PA - (A) CANON KK
 PAO - (A) CANON INC
 IN - (A) KANEKO TETSUYA; NOMURA ICHIRO; TAKEDA TOSHIHIKO; SAKANO
 YOSHIKAZU; SUZUKI HIDETOSHI; YOKONO KOJIRO
 IC - (A) H01J-001/30
 PN2 - JP7114104 B 19951206 [JP95114104]
 STG2- (B) Publd. Examined patent applic.
 PN3 - JP2088241 C 19960902 [JP2088241]
 STG3- (C) Granted patent from 1000001 onwards
 IC3 - (C) H01J-001/30 H01J-009/02
 AP - JP10248588 19880427 [1988JP-0102485]
 PR - JP10248588 19880427 [1988JP-0102485]
 JP25506387 19871009 [1987JP-0255063]
 ICO - T01J-201/30D

4 / 15 PLUSPAT - ©QUESTEL-ORBIT - image

PN - JP1105445 A 19890421 [JP01105445]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMITTING ELEMENT AND ITS MANUFACTURE
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) YOSHIOKA SEISHIRO; NOMURA ICHIRO; YOKONO KOJIRO; KANEKO
TETSUYA; SAKANO YOSHIKAZU; SUZUKI HIDETOSHI; TAKEDA TOSHIHIKO
IC - (A) H01J-029/48 H01J-037/06
PN2 - JP7114105 B 19951206 [JP95114105]
STG2- (B) Publd. Examined patent applic.
IC2 - (B) H01J-001/30 H01J-009/02
PN3 - JP2088242 C 19960902 [JP2088242]
STG3- (C) Granted patent from 1000001 onwards
AP - JP10248688 19880427 [1988JP-0102486]
PR - JP10248688 19880427 [1988JP-0102486]
JP17483787 19870715 [1987JP-0174837]
EC - H01J-001/316
H01J-009/02B4
DT - Corresponding document

5 / 15 PLUSPAT - @QUESTEL-ORBIT - image
PN - JP1276528 A 19891107 [JP01276528]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMITTING ELEMENT
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) KANEKO TETSUYA; NOMURA ICHIRO; SAKANO YOSHIKAZU; TAKEDA
TOSHIHIKO
IC - (A) H01J-001/30
PN2 - JP6101297 B 19941212 [JP94101297]
STG2- (B) Publd. Examined patent applic.
PN3 - JP1971670 C 19950927 [JP1971670]
STG3- (C) Granted patent from 1000001 onwards
IC3 - (C) H01J-001/30
AP - JP10248788 19880427 [1988JP-0102487]
PR - JP10248788 19880427 [1988JP-0102487]
ICO - T01J-201/30D

6 / 15 PLUSPAT - @QUESTEL-ORBIT - image
PN - JP1276529 A 19891107 [JP01276529]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMITTING ELEMENT
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) KANEKO TETSUYA; NOMURA ICHIRO; SAKANO YOSHIKAZU; TAKEDA
TOSHIHIKO
IC - (A) H01J-001/30
PN2 - JP7114106 B 19951206 [JP95114106]
STG2- (B) Publd. Examined patent applic.
PN3 - JP2088243 C 19960902 [JP2088243]
STG3- (C) Granted patent from 1000001 onwards
IC3 - (C) H01J-001/30 H01J-009/02
AP - JP10248888 19880427 [1988JP-0102488]
PR - JP10248888 19880427 [1988JP-0102488]
ICO - T01J-201/30D

7 / 15 PLUSPAT - @QUESTEL-ORBIT - image

PN - JP1320725 A 19891226 [JP01320725]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMISSION ELEMENT
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) KANEKO TETSUYA; TAKEDA TOSHIHIKO; SAKANO YOSHIKAZU; NOMURA
ICHIRO; YOSHIOKA SEISHIRO
IC - (A) H01J-001/30
PN2 - JP7123022 B 19951225 [JP95123022]
STG2- (B) Publd. Examined patent applic.
PN3 - JP2083738 C 19960823 [JP2083738]
STG3- (C) Granted patent from 1000001 onwards
IC3 - (C) H01J-001/30
AP - JP15451688 19880621 [1988JP-0154516]
PR - JP15451688 19880621 [1988JP-0154516]

8 / 15 PLUSPAT - @QUESTEL-ORBIT - image

PN - JP1093024 A 19890412 [JP01093024]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMITTING ELEMENT
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) YOKONO KOJIRO; SUZUKI HIDETOSHI; NOMURA ICHIRO; KANEKO
TETSUYA; TAKEDA TOSHIHIKO; SAKANO YOSHIKAZU
IC - (A) H01J-001/30
PN2 - JP6087391 B 19941102 [JP94087391]
STG2- (B) Publd. Examined patent applic.
PN3 - JP1952262 C 19950728 [JP1952262]
STG3- (C) Granted patent from 1000001 onwards
IC3 - (C) H01J-001/30
AP - JP25044887 19871002 [1987JP-0250448]
PR - JP25044887 19871002 [1987JP-0250448]
ICO - T01J-201/30D

9 / 15 PLUSPAT - @QUESTEL-ORBIT - image

PN - JP1097354 A 19890414 [JP01097354]
STG - (A) Doc. Laid open to publ. Inspec.
TI - (A) ELECTRON EMISSION ELEMENT
PA - (A) CANON KK
PAO - (A) CANON INC
IN - (A) NOMURA ICHIRO; YOKONO KOJIRO; KANEKO TETSUYA; SAKANO
YOSHIKAZU; SUZUKI HIDETOSHI; TAKEDA TOSHIHIKO
IC - (A) H01J-029/48 H01J-037/06
PN2 - JP7123023 B 19951225 [JP95123023]
STG2- (B) Publd. Examined patent applic.
IC2 - (B) H01J-001/30
PN3 - JP2083726 C 19960823 [JP2083726]
STG3- (C) Granted patent from 1000001 onwards
AP - JP25506887 19871009 [1987JP-0255068]
PR - JP25506887 19871009 [1987JP-0255068]
EC - H01J-001/316
H01J-009/02B4
DT - Corresponding document

10 / 15 PLUSPAT - @QUESTEL-ORBIT

PN - US5066883 A 19911119 [US5066883]
STG - (A) United States patent

TI - (A) ELECTRON-EMITTING DEVICE WITH ELECTRON-EMITTING REGION
INSULATED FROM ELECTRODES
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO
(JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI
HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC - (A) H01J-001/02
AP - US21820388 19880713 [1988US-0218203]
PR - JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
EC - H01J-001/316
H01J-009/02B4
PCL - ORIGINAL (O) : 313309000; CROSS-REFERENCE (X) : 313310000
313336000 313346000R 313351000 313355000
DT - Corresponding document

1 / 1 LEGALI - ©EPO
PN - US5066883 A 19911119 [US5066883]
AP - US21820388 19880713 [1988US-0218203]
ACTE- 19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: CANON KABUSHIKI KAISHA, 30-2, 3-CHOME, SHIMOMARUKO;
EFFECTIVE DATE: 19880708

19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: YOSHIOKA, SEISHIRO; EFFECTIVE DATE: 19880708

19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: NOMURA, ICHIRO; EFFECTIVE DATE: 19880708

19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: SUZUKI, HIDETOSHI; EFFECTIVE DATE: 19880708

19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: TAKEDA, TOSHIHIKO; EFFECTIVE DATE: 19880708

19880713 US/AS02-A
ASSIGNMENT OF ASSIGNOR'S INTEREST
OWNER: KA; EFFECTIVE DATE: 19880708

19940426 US/CC-A
CERTIFICATE OF CORRECTION
UP - 2003-22

11 / 15 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5532544 A 19960702 [US5532544]
STG - (A) United States patent

TI - (A) Electron-emitting device with electron-emitting region insulated from electrodes
PA - (A) GANON KABUSHIKI KAISHA (JP)
PAO - Ganon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO (JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC - (A) H04N-003/14
AP - US36643094 19941230 [1994US-0366430]
PR - US36643094 19941230 [1994US-0366430]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
US5880193 19930510 [1993US-0058801]
US69401491 19910430 [1991US-0694014]
US21820388 19880713 [1988US-0218203]
EC - H01J-001/316
H01J-009/02B4
PCL - ORIGINAL (O) : 313310000; CROSS-REFERENCE (X) : 313309000
313351000 315169300
DT - Corresponding document

12 / 15 PLUSPAT - @QUESTEL-ORBIT - image

PN - US5749763 A 19980512 [US5749763]
STG - (A) United States patent
TI - (A) Display device with electron-emitting device with electron-emitting region insulated from electrodes
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO (JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC - (A) H01J-001/30 H01J-009/02
AP - US47432495 19950607 [1995US-0474324]
PR - US47432495 19950607 [1995US-0474324]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
US39606695 19950228 [1995US-0396066]
US19106594 19940203 [1994US-0191065]
US70572091 19910524 [1991US-0705720]
US21820388 19880713 [1988US-0218203]
EC - H01J-001/316
PCL - ORIGINAL (O) : 445051000; CROSS-REFERENCE (X) : 427077000
DT - Basic

13 / 15 PLUSPAT - @QUESTEL-ORBIT - image

PN - US5759080 A 19980602 [US5759080]
STG - (A) United States patent
TI - (A) Display device with electron-emitting device with
electron-emitting region insulated from electrodes
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO
(JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI
HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC - (A) H01J-001/30 H01J-009/02
AP - US47900095 19950607 [1995US-0479000]
PR - US47900095 19950607 [1995US-0479000]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
US39606695 19950228 [1995US-0396066]
US19106594 19940203 [1994US-0191065]
US70572091 19910524 [1991US-0705720]
US21820388 19880713 [1988US-0218203]
EC - H01J-009/02B4
PCL - ORIGINAL (O) : 445051000; CROSS-REFERENCE (X) : 445024000
DT - Basic

1 / 1 LEGALI - ©EPO
PN - US5759080 A 19980602 [US5759080]
AP - US47900095 19950607 [1995US-0479000]
ACTE- 20000208 US/CC-A
CERTIFICATE OF CORRECTION
20001003 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 20000602
UP - 2003-22

14 / 15 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5872541 A 19990216 [US5872541]
STG - (A) United States patent
TI - (A) Method for displaying images with electron emitting device
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); SUZUKI HIDETOSHI
(JP); TAKEDA TOSHIHIKO (JP); KANEKO TETSUYA (JP); BANNO
YOSHIKAZU (JP); YOKONO KOJIRO (JP)
IC - (A) G09G-003/22
AP - US48755995 19950607 [1995US-0487559]
PR - JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]

JP25506887 19871009 [1987JP-0255068]
US19106594 19940203 [1994US-0191065]
US21820388 19880713 [1988US-0218203]
US39606695 19950228 [1995US-0396066]
US48755995 19950607 [1995US-0487559]
US70572091 19910524 [1991US-0705720]
ICO - T01J-231/123
PCL - ORIGINAL (O) : 345074100; CROSS-REFERENCE (X) : 345076000
DT - Basic

1 / 1 LEGALI - ©EPO
PN - US5872541 A 19990216 [US5872541]
AP - US48755995 19950607 [1995US-0487559]
ACTE- 20001010 US/CC-A
CERTIFICATE OF CORRECTION
UP - 2003-22

15 / 15 PLUSPAT - ©QUESTEL-ORBIT - image
PN - US5661362 A 19970826 [US5661362]
STG - (A) United States patent
TI - (A) Flat panel display including electron emitting device
PA - (A) CANON KK (JP)
PAO - Canon Kabushiki Kaisha, Tokyo [JP]
IN - (A) YOSHIOKA SEISHIRO (JP); NOMURA ICHIRO (JP); YOKONO KOJIRO
(JP); BANNO YOSHIKAZU (JP); KANEKO TETSUYA (JP); SUZUKI
HIDETOSHI (JP); TAKEDA TOSHIHIKO (JP)
IC - (A) H01J-001/30
AP - US65738596 19960603 [1996US-0657385]
PR - US65738596 19960603 [1996US-0657385]
JP17483787 19870715 [1987JP-0174837]
JP25044887 19871002 [1987JP-0250448]
JP25506387 19871009 [1987JP-0255063]
JP25506887 19871009 [1987JP-0255068]
JP10248588 19880427 [1988JP-0102485]
JP10248688 19880427 [1988JP-0102486]
JP10248788 19880427 [1988JP-0102487]
JP10248888 19880427 [1988JP-0102488]
JP15451688 19880621 [1988JP-0154516]
US39606695 19950228 [1995US-0396066]
US19106594 19940203 [1994US-0191065]
US70572091 19910524 [1991US-0705720]
US21820388 19880713 [1988US-0218203]
EC - H01J-001/316
PCL - ORIGINAL (O) : 313309000; CROSS-REFERENCE (X) : 313336000
313346000R 313351000
DT - Basic

1 / 1 LEGALI - ©EPO
PN - US5661362 A 19970826 [US5661362]
AP - US65738596 19960603 [1996US-0657385]
ACTE- 19980331 US/CC-A
CERTIFICATE OF CORRECTION
20000201 US/RF-A
REISSUE APPLICATION FILED
EFFECTIVE DATE: 19990826
UP - 2003-22

Litigation involving patent 5,066,883

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.

Litigation involving patent 5,532,544

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.

Litigation involving patent 5,749,763

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.

Litigation involving patent 5,872,541

Click on the docket number to view the docket.
Click on the above patent number to view the patent.

 Docket 	 Case Heading 	 Date Filed 	 Date Retrvd 
--	--	---	---

There are no cases involving this patent number.